

Title (en)
METHOD AND APPARATUS FOR DATA TRANSMISSION INVOLVING TUNNELING IN WIRELESS COMMUNICATION NETWORKS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR DATENÜBERTRAGUNG MIT TUNNELING IN EINEM DRAHTLOSKOMMUNIKATIONSNETZWERK

Title (fr)
PROCÉDÉ ET APPAREIL DE TRANSMISSION DE DONNÉES IMPLIQUANT UNE TUNNELLISATION, DANS DES RÉSEAUX DE COMMUNICATION SANS FIL

Publication
EP 3510828 A1 20190717 (EN)

Application
EP 17854964 A 20170928

Priority

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- US 201662405348 P 20161007
- US 201715704819 A 20170914
- CN 2017104082 W 20170928

Abstract (en)
[origin: US2018097657A1] A method and apparatus for connecting a user equipment (UE) to a wireless communication network such as a 5th generation network. The network supports node-level tunnelling. Node-level tunnels can be pre-configured prior to receipt of UE attach requests. The tunnels can be shared by plural UEs, flows, or services. A policy function is connected to a network management function and performs tasks such as applying constraints to the node-level tunnels. A session management function pre-establishes node-level tunnels based on policy information from the policy function. Operations of network elements such as the access network node and user plane function to handle UE attachment, session establishment, and handling of mobile-originated and mobile-terminated traffic are described. Also described is a method and apparatus for packet transmission in which packets are processed according to an identified tunnel type. The tunnel type can be identified using a field in the tunnel encapsulation header.

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